

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/078,247  
Source: O/PF  
Date Processed by STIC: 6/1/05

# ***ENTERED***



O/PE

## RAW SEQUENCE LISTING

DATE: 06/01/2005

PATENT APPLICATION: US/10/078,247

TIME: 07:22:36

Input Set : A:\8400-0013.txt

Output Set: N:\CRF4\06012005\J078247.raw

3 <110> APPLICANT: Wender, Paul A.  
 4 Rothbard, Jonathan B.  
 5 Wright, Lee  
 6 Kreider, Erik L.  
 7 VanDeusen, Christopher L.  
 9 <120> TITLE OF INVENTION: Transporters Comprising Spaced Arginine Moieties  
 11 <130> FILE REFERENCE: 8400-0013  
 13 <140> CURRENT APPLICATION NUMBER: US 10/078,247  
 14 <141> CURRENT FILING DATE: 2002-02-14  
 16 <150> PRIOR APPLICATION NUMBER: US 60/269,627  
 17 <151> PRIOR FILING DATE: 2001-02-16  
 19 <160> NUMBER OF SEQ ID NOS: 30  
 21 <170> SOFTWARE: PatentIn version 3.3  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 9  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Chemically synthesized peptide  
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 34 1 5  
 37 <210> SEQ ID NO: 2  
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 48 <223> OTHER INFORMATION: Xaa is aminocaproic acid  
 50 <220> FEATURE:  
 51 <221> NAME/KEY: MOD\_RES  
 52 <222> LOCATION: (1)..(1)  
 53 <223> OTHER INFORMATION: fluorescein isothiocyanate modified N-terminus  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: AMIDATION  
 57 <222> LOCATION: (8)..(8)  
 59 <400> SEQUENCE: 2  
 W--> 61 Xaa Arg Arg Arg Arg Arg Arg Arg  
 62 1 5  
 65 <210> SEQ ID NO: 3

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83 <220> FEATURE:
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87 <400> SEQUENCE: 3
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90 1 5 10
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95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial
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131 <222> LOCATION: (1)..(1)
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134 <220> FEATURE:
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146 <222> LOCATION: (6)..(6)
147 <223> OTHER INFORMATION: Xaa is aminobutyric acid
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197 <220> FEATURE:

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223 <223> OTHER INFORMATION: fluorescein isothiocyanate modified N-terminus
225 <220> FEATURE:
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227 <222> LOCATION: (11)..(11)
229 <400> SEQUENCE: 7
W--> 231 Xaa Arg Ala Arg Arg Ala Arg Arg Ala Arg Arg
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248 <220> FEATURE:
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250 <222> LOCATION: (1)..(1)
251 <223> OTHER INFORMATION: fluorescein isothiocyanate modified N-terminus
253 <220> FEATURE:
254 <221> NAME/KEY: AMIDATION
255 <222> LOCATION: (11)..(11)
257 <400> SEQUENCE: 8
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264 <211> LENGTH: 11
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial

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Input Set : A:\8400-0013.txt

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268 <220> FEATURE:
269 <223> OTHER INFORMATION: Chemically synthesized peptide
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278 <222> LOCATION: (1)..(1)
279 <223> OTHER INFORMATION: fluorescein isothiocyanate modified N-terminus
281 <220> FEATURE:
282 <221> NAME/KEY: AMIDATION
283 <222> LOCATION: (11)..(11)
285 <400> SEQUENCE: 9
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301 <222> LOCATION: (1)..(1)
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306 <222> LOCATION: (1)..(1)
307 <223> OTHER INFORMATION: fluorescein isothiocyanate modified N-terminus
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330 <223> OTHER INFORMATION: Xaa is aminocaproic acid
332 <220> FEATURE:
333 <221> NAME/KEY: MOD_RES
334 <222> LOCATION: (1)..(1)

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## RAW SEQUENCE LISTING ERROR SUMMARY

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Input Set : A:\8400-0013.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 1  
 Seq#:3; Xaa Pos. 1  
 Seq#:4; Xaa Pos. 1  
 Seq#:5; Xaa Pos. 1, 3, 6, 9  
 Seq#:6; Xaa Pos. 1, 3, 6, 9  
 Seq#:7; Xaa Pos. 1  
 Seq#:8; Xaa Pos. 1  
 Seq#:9; Xaa Pos. 1  
 Seq#:10; Xaa Pos. 1  
 Seq#:11; Xaa Pos. 1  
 Seq#:12; Xaa Pos. 1  
 Seq#:13; Xaa Pos. 1  
 Seq#:14; Xaa Pos. 1  
 Seq#:15; Xaa Pos. 1  
 Seq#:16; Xaa Pos. 1  
 Seq#:17; Xaa Pos. 1  
 Seq#:18; Xaa Pos. 1  
 Seq#:19; Xaa Pos. 1  
 Seq#:20; Xaa Pos. 1  
 Seq#:21; Xaa Pos. 1  
 Seq#:22; Xaa Pos. 1  
 Seq#:23; Xaa Pos. 1, 3, 5, 7, 9  
 Seq#:24; Xaa Pos. 1, 3, 5, 7, 9, 11  
 Seq#:25; Xaa Pos. 1, 3, 5, 7, 9, 11, 13  
 Seq#:26; Xaa Pos. 1  
 Seq#:27; Xaa Pos. 1  
 Seq#:30; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
 Seq#:28,29,30

## VERIFICATION SUMMARY

DATE: 06/01/2005

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TIME: 07:22:37

Input Set : A:\8400-0013.txt

Output Set: N:\CRF4\06012005\J078247.raw

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:831 M:283 W: Missing Blank Line separator, <220> field identifier  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:861 M:283 W: Missing Blank Line separator, <220> field identifier  
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:918 M:283 W: Missing Blank Line separator, <220> field identifier  
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0